

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/936,657DATE: 02/02/2000
TIME: 16:00:12

INPUT SET: S30066.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

ENTERED

(i) APPLICANT:

Fritz Eckstein
Wolfgang Pieken
Fritz Benseler
David Olsen
David Williams

(ii) TITLE OF INVENTION:

MODIFIED RIBOZYMES

(iii) NUMBER OF SEQUENCES:

15

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE:

Lyon & Lyon

(B) STREET:

633 West Fifth Street
Suite 4700

(C) CITY:

Los Angeles

(D) STATE:

California

(E) COUNTRY:

U.S.A.

(F) ZIP:

90071

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE:

3.5" Diskette, 1.44 Mb
storage

(B) COMPUTER:

IBM Compatible

(C) OPERATING SYSTEM:

IBM P.C. DOS 5.0

(D) SOFTWARE:

FastSEQ Version 1.5

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

08/936,657

(B) FILING DATE:

(vii) PRIOR APPLICATION DATA:

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47
48 (A) APPLICATION NUMBER: 07/965,411
49 (B) FILING DATE: August 9, 1993
50
51
52 (viii) ATTORNEY/AGENT INFORMATION:
53
54 (A) NAME: Warburg, Richard
55 (B) REGISTRATION NUMBER: 32,327
56 (C) REFERENCE/DOCKET NUMBER: 195/036
57
58
59 (ix) TELECOMMUNICATION INFORMATION:
60
61 (A) TELEPHONE: (213) 489-1600
62 (B) TELEFAX: (213) 955-0440
63 (C) TELEX: 67-3510
64
65
66
67
68
69 (2) INFORMATION FOR SEQ ID NO: 1:
70
71 (i) SEQUENCE CHARACTERISTICS:
72
73 (A) LENGTH: 32
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
77
78 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
79
80 GATATCCTGA CTCCCTATAG TGAGTCGTAT TA 32
81
82
83
84
85 (2) INFORMATION FOR SEQ ID NO: 2:
86
87 (i) SEQUENCE CHARACTERISTICS:
88
89 (A) LENGTH: 36
90 (B) TYPE: nucleic acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
93
94 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
95
96 TAATACGACT CACTATAGGG AGTCAGGATA TCTGCA 36
97
98
99

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100

101 (2) INFORMATION FOR SEQ ID NO: 3:

102

103 (i) SEQUENCE CHARACTERISTICS:

104

105 (A) LENGTH: 51

106 (B) TYPE: nucleic acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

109

110 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

111

112 GGAGTTTCGG CCTAACGGCC TCATCAGAGG ACCCTATAGT GAGTCGTATT A 51

113

114

115

116 (2) INFORMATION FOR SEQ ID NO: 4:

117

118 (i) SEQUENCE CHARACTERISTICS:

119

120 (A) LENGTH: 55

121 (B) TYPE: nucleic acid

122 (C) STRANDEDNESS: single

123 (D) TOPOLOGY: linear

124

125 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

126

127 TAATACGACT CACTATAGGG TCCTCTGATG AGGCCGTTAG GCCGAACTC CTGCA 55

128

129

130

131

132

133

134 (2) INFORMATION FOR SEQ ID NO: 5:

135

136 (i) SEQUENCE CHARACTERISTICS:

137

138 (A) LENGTH: 34

139 (B) TYPE: nucleic acid

140 (C) STRANDEDNESS: single

141 (D) TOPOLOGY: linear

142

143 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

144

145 GGGUCCUCUG AUGAGGCCGU UAGGCCGAAA CUCC

34

146

147

148

149

150 (2) INFORMATION FOR SEQ ID NO: 6:

151

152 (i) SEQUENCE CHARACTERISTICS:

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153
154 (A) LENGTH: 34
155 (B) TYPE: nucleic acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159 (ix) FEATURE:
160
161 (D) OTHER INFORMATION: The letter "N" stands for
162 2'-fluorouridine.
163
164 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
165
166 GGGNCCNCNG ANGAGGCCGN NAGGCCGAAA CNCC 34
167
168
169
170 (2) INFORMATION FOR SEQ ID NO: 7:
171
172 (i) SEQUENCE CHARACTERISTICS:
173
174 (A) LENGTH: 34
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ix) FEATURE:
180
181 (D) OTHER INFORMATION: The letter "N" stands for
182 2'-aminouridine.
183
184 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
185
186 GGGNCCNCNG ANGAGGCCGN NAGGCCGAAA CNCC 34
187
188
189
190 (2) INFORMATION FOR SEQ ID NO: 8:
191
192 (i) SEQUENCE CHARACTERISTICS:
193
194 (A) LENGTH: 12
195 (B) TYPE: nucleic acid
196 (C) STRANDEDNESS: single
197 (D) TOPOLOGY: linear
198
199 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
200
201 GGGAGUCAGG AU 12
202
203
204
205 (2) INFORMATION FOR SEQ ID NO: 9:

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206
207 (i) SEQUENCE CHARACTERISTICS:
208
209 (A) LENGTH: 12
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
213
214 (ix) FEATURE:
215
216 (D) OTHER INFORMATION: The letter "N" stands for
217 2'-fluorouridine.
218
219 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
220
221 GGGAGNCAGG AN 12
222
223
224
225 (2) INFORMATION FOR SEQ ID NO: 10:
226
227 (i) SEQUENCE CHARACTERISTICS:
228
229 (A) LENGTH: 12
230 (B) TYPE: nucleic acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear
233
234 (ix) FEATURE:
235
236 (D) OTHER INFORMATION: The letter "N" stands for
237 2'-fluorocytidine.
238
239 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
240
241 GGGAGUNAGG AU 12
242
243
244
245
246 (2) INFORMATION FOR SEQ ID NO: 11:
247
248 (i) SEQUENCE CHARACTERISTICS:
249
250 (A) LENGTH: 12
251 (B) TYPE: nucleic acid
252 (C) STRANDEDNESS: single
253 (D) TOPOLOGY: linear
254
255 (ix) FEATURE:
256
257 (D) OTHER INFORMATION: The letter "N" stands for
258 2'-aminouridine.

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/936,657

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Line

Error

Original Text